

No. 758,015.

PATENTED APR. 19, 1904.

D. L. MILLER.
CAMP STOVE.

APPLICATION FILED OCT. 8, 1903.

NO MODEL.

Fig. 1

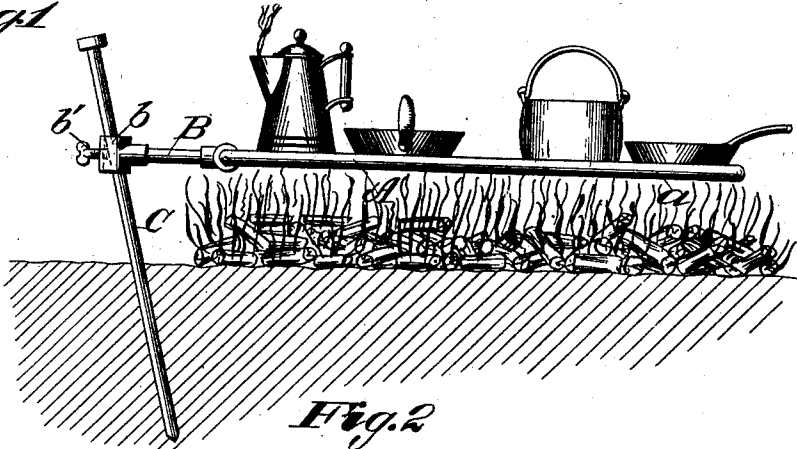


Fig. 2

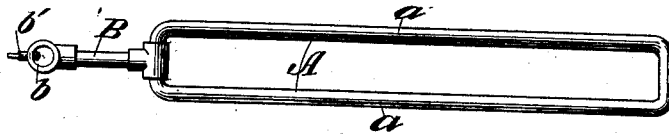


Fig. 3

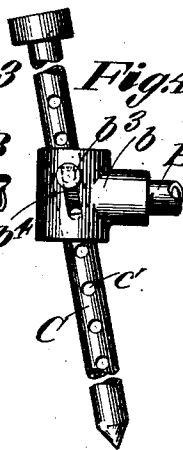


Fig. 4

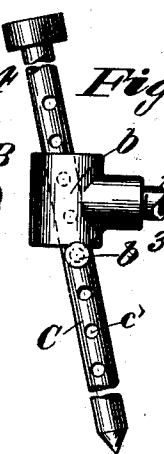


Fig. 5

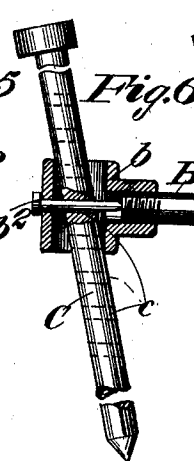


Fig. 6

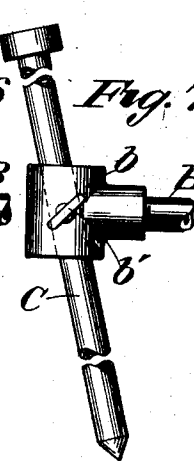


Fig. 7

Fig. 8



WITNESSES

E. E. Duffey
James P. Mansfield

INVENTOR

Dennis Long Miller
By: *Alexander L. Lowell*
Attorney

UNITED STATES PATENT OFFICE.

DENIS LONG MILLER, OF LOUISVILLE, KENTUCKY, ASSIGNOR OF ONE-HALF TO F. A. ENGERT, OF KNOXVILLE, TENNESSEE.

CAMP-STOVE.

SPECIFICATION forming part of Letters Patent No. 758,015, dated April 19, 1904.

Application filed October 8, 1903. Serial No. 176,260. (No model.)

To all whom it may concern:

Be it known that I, DENIS LONG MILLER, of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Camp-Stoves; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form part of this specification.

This invention is an improved camp-stove or portable stove or range especially designed for army service, for camping parties, foot-travelers, and others who need an efficient, simple, very light knockdown portable stove or range.

The principal object of this invention is to supply more perfectly a need often felt in military camps. There are frequent occasions when an army is in the field that the utmost expedition must be had in preparing meals in order that the soldiers may obtain something to eat as quickly as possible. This necessity may arise either immediately preceding or after a battle or long march. My purpose is therefore to furnish a cooking implement or portable stove adapted to such emergencies which while very light and employing the fewest possible parts is constructed to support a number of utensils and enable a variety of foods to be cooked simultaneously and in the shortest time.

My improved stove comprises, in brief, a frame, preferably made of piping and oblong in contour, provided with an eye or yoke at one end, and a standard, preferably made of tubing also, which can be driven into the ground where it is desired to locate the stove and upon which the frame is adjustably supported by means of the yoke, all as hereinafter claimed, and the accompanying drawings, in connection with the following description thereof, will impart a full and clear understanding of the invention.

In said drawings, Figure 1 is a side elevation of the preferred form of camp-stove in position for use. Fig. 2 is a top plan view thereof. Figs. 3, 4, 5, 6, and 7 are detail views of slight modifications of the adjustable connec-

tion between the standard and frame. Fig. 8 is a detail view of a reinforced frame.

The frame A is preferably made in oblong form, considerably longer than wide, its side members *a a* being sufficiently near to enable them to support a pot, pan, kettle, or other cooking utensil such as is ordinarily carried by soldiers or campers. Preferably this frame is made of tubing to increase its stiffness and reduce its weight. One end of said frame is connected to an arm B, which is preferably in the same plane as the frame and extends in the line of the longest axis thereof and has on its outer end a yoke *b*, which has a vertical opening through it perpendicular to the plane of the frame. Said arm and its connections to frame and yoke are preferably made of tubing and pipe-fittings. Through the yoke *b* passes the standard C, which is preferably of slightly smaller diameter than the interior bore of yoke *b* and can be readily withdrawn therefrom when it is desired to pack the stove for transportation. This standard is preferably made of tubing and has a head on its upper end and is pointed at its lower end, so that it can be readily driven into the ground.

In setting up the stove the standard is inserted through yoke *b* and driven down a sufficient depth into the ground to give it a firm hold, and it is preferably driven at a slight inclination, so that when the frame and yoke are slipped up thereon to the proper height and the frame brought to a horizontal position, as in Fig. 1, the lower inner edge of the yoke will bite the inner face of the standard and the upper edge of the yoke will bite the rear face of the standard and the frame will be upheld thereon by its own gravity, any weight placed on the frame increasing the bite of the yoke on the standard. This is clearly indicated in Fig. 1. The frame can thus be readily adjusted and upheld at any desired distance above the ground, and a fire can be built thereunder, so as to directly heat any and all of the series of utensils placed thereupon. The frame while affording an extensive support for utensils offers the least possible surface to prevent fire contacting therewith, and on this simple

apparatus a meal can be readily cooked. The frame may be prevented from swinging laterally on the standard by means of a thumb-screw b' , tapped through yoke b , as in Figs. 1 and 7, or by means of a pin b^2 , passed through a hole in the yoke and through one of a series of holes in the standard, as in Fig. 6.

In Fig. 3 the standard is provided with serrations or corrugations c to assist in holding the yoke b more certainly in case the lower inner edge of the yoke should wear. In Fig. 4 the standard has holes c' in it, and the yoke is prevented from turning on standard by means of a pin b^3 passing through a slot b^4 in the side of the yoke. In Fig. 5 the pin b^3 is arranged beneath the yoke b .

The essential features of the invention are the light elongated frame, the standard, and the simple yoke connection between one end of frame and standard, affording a two-part portable camp-stove large enough to support a number of utensils at the same time, yet of the simplest form and lightest weight, packing into small compass, and forming when packed a convenient sized package to carry.

As illustrated in Fig. 8, the frame may be strengthened by providing it with a central longitudinal member A' , lying parallel with and between the side members a , such frame being particularly useful for large-sized camp-stoves, as smaller utensils can be supported upon and between members a and A' , and a greater number of utensils can be placed on the frame. This member A' is preferably tubular also and connected to the arm and end of frame by tubular pipe-couplings, as indicated in the drawings.

I am aware that it is old to adjustably connect a plate and standard by a yoke and also aware that various forms of camping-stoves have been devised in which utensil-holders were adjustably attached to standards; but none of such devices has, so far as I am aware, ever been constructed like my stove, nor are they as simple and efficient as my camp-stove, and,

Therefore what I claim, and desire to secure by Letters Patent, is—

1. A camp stove or range comprising a standard adapted to be driven into the ground and a frame, composed of an elongated loop adapted to support a number of utensils on or between its side bars and having a yoke at one end provided with a vertical opening adapted to adjustably engage the standard and support the frame thereon, substantially as described.

2. A camp stove or range comprising a

standard adapted to be driven into the ground, and a frame formed of a single elongated metal loop having an arm and a yoke at the extremity of said arm provided with a vertical opening of larger diameter than the standard and adapted to surround the standard and support the frame thereon, substantially as and for the purpose described.

3. The herein-described camp stove or range comprising a standard, and a frame formed of tubing or piping bent into an elongated loop of a length sufficient to support several utensils in line, said frame having an arm at one end provided with a yoke on its extremity having a vertical opening through it and adapted to embrace the standard to support the frame thereon, and means for fastening the yoke to the standard to prevent the frame turning thereon, substantially as described.

4. The combination in a camp-stove of a standard, an elongated utensil-supporting frame composed of a single piece of pipe bent into a long oval loop, an arm secured thereto having at its outer end a metal block or yoke through which is a hole of greater diameter than the standard, and a thumb-screw tapped through the yoke and engaging the standard, all constructed as set forth.

5. A camp-stove comprising a standard and an elongated frame formed of a single piece of pipe bent into an elongated loop with its sides parallel, an arm secured to one end of said frame and terminating in a metal block or yoke provided with a hole for the admission of the standard, and a thumb-screw adapted to fasten the yoke to the standard, all as shown and described.

6. A camp stove or range comprising a standard and a frame, said frame being composed of an elongated loop having a central longitudinal member, and means for detachably attaching said frame to the standard.

7. A camp-stove comprising a standard adapted to be driven into the ground, and a frame formed of an elongated metal loop having an arm at one end, a longitudinal central member intermediate the side members, and a yoke on the arm engaging the standard and supporting the frame thereon, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

DENIS LONG MILLER.

In presence of—

W. W. DAVIES,
R. W. BINGHAM.